

SMILE Condensation Water Pump Installation Manual

Application

SMILE condensate pump is designed to automatically remove the liquid from air-conditioners and evaporator coils. The pump is made from a tough ABS plastic body, so it will resist corrosion and impact and it is very silent.

1. Features and technical specifications

Model: **SMILE**

Electric specifications: **230V / 50Hz**

Length of supply cable: **about 800mm**

Energy consumption: **22W**

Weight: **1,5 kg**

Dimensions: **cm 180 x 150 x 105**

- Equipped with overflow safety switch
- Several international patents
- Precision water level control

2. Pump installation (picture 1)

- Carefully unpack the pump and check for damage.
- Make sure that all the required parts are included (holder with screws)
- The pump must be mounted level
- Install the pump near the air-conditioning unit (see picture 1)
- The air-conditioner drainage tube must be inserted inside the hole situated on top of the pump and at the distances mentioned on picture 1
- Do not install the pump near a heat source
- We suggest not to place the pump above electrical equipment and valuables

3. Installation of the drainage tube

- Follow the measurements of the tube mentioned on picture 2 (max 2 meters vertically and max 10 meters horizontally)
- Use a PVC drainage tube of Ø 4x6 and insert it for more than 1 cm into the rubber outlet hose of the pump (see picture 3)
- The drainage tube must keep straight (see picture 4)

4. Wiring connection

Shut off electrical power at the fuse before making any wiring connections.

The pump must be connected to a constant line voltage source and not to a fan or other device that may run intermittently.

The pump is equipped with an overflow alarm circuit to prevent condensate water from overflowing

The contact is normally closed (250V-5A) and can be used to switch the air-conditioner off or to activate a visual or sonorous alarm.

6. Precaution

In the event of power failure, please remove the air-conditioner drainage tube away from the water pump.

Redirect the drainage pipe to an external bucket to collect the remaining condensate water.

7. Parts of the pump (see picture 5)

Front side

Inlet air conditioner's tube

Outlet (drainage tube)

AC Power cable

Overflow alarm circuit cables

Back side

Holder (must be mounted)

8. Troubleshooting

In case of malfunction of overflow:

- Make sure that the AC power is OK
- Check if the drainage tube is blocked or not
- Make sure that the air-conditioner's pipe is inserted properly